

(54) POLYPROPYLENE COMPOSITION

- (11) 62-277461 (A) (43) 2.12.1987 (19) JP
 (21) Appl. No. 61-121442 (22) 27.5.1986
 (71) MITSUI PETROCHEM IND LTD (72) HIROSHI TANIGUCHI(1)
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PURPOSE: The titled composition, obtained by blending propylene polymer with specific amounts of a specific propylene-ethylene block copolymer, etc., having particularly improved impact resistance and rigidity as well as good coating property and moldability and suitable as automotive outside sheets.

CONSTITUTION: A composition obtained by blending (A) 65~20wt% propylene-ethylene block copolymer with 20~25mol% ethylene content and 5~30g/10min melt flow rate consisting of (A₁) 50~77wt% propylene polymer having ≥ 93 isotactic index with (A₂) 20~35wt% propylene-ethylene copolymer component having 20~35mol% ethylene content and 2~3.5dl/g intrinsic viscosity, (A₃) 3~15wt% ethylene polymer component having 2~3.5dl/g intrinsic viscosity with (B) 15~45wt% ethylene- α -olefin random copolymer having 60~85mol% ethylene content, 0.1~1g/10min melt flow rate and $\leq 10\%$ crystallinity and (C) 15~35wt% talc or calcium carbonate having $\leq 5\mu\text{m}$ average particle diameter.

(54) IMPACT-RESISTANT RESIN COMPOSITION

- (11) 62-277462 (A) (43) 2.12.1987 (19) JP
 (21) Appl. No. 61-119585 (22) 24.5.1986
 (71) UNITIKA LTD (72) TAKASHI OKAMOTO(3)
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PURPOSE: An impact-resistant composition, obtained by adding an impact resistance impacting material consisting of a blend of an epoxy group-containing ethylenic copolymer with an acid anhydride-containing olefinic copolymer to a matrix consisting of a polyarylate and polyamide.

CONSTITUTION: A composition obtained by adding a blend, consisting of (A) a copolymer consisting of ethylene and an unsaturated glycidyl monomer and another ethylenically unsaturated monomer, preferably ethylene-glycidyl methacrylate vinyl acetate copolymer and (B) a copolymer prepared by copolymerizing or graft adding an alicyclic dicarboxylic acid anhydride having cis-type double bond in the ring or α,β -unsaturated dicarboxylic acid anhydride to an olefin or olefinic copolymer and having 1:9~9:1 equivalent ratio of epoxy groups in the component (A) to acid anhydrides in the component (B) in an amount within the range of 3~30wt% to a matrix consisting of 10~70wt% polyarylate and 90~30wt% polyamide.

(54) THERMOPLASTIC RESIN COMPOSITION

- (11) 62-277465 (A) (43) 2.12.1987 (19) JP
 (21) Appl. No. 61-119180 (22) 26.5.1986
 (71) ASAHI CHEM IND CO LTD (72) MASAMI TSUNETANI(1)
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PURPOSE: A composition, obtained by blending a composition of a polyphenylene ether based resin and a polyamide based resin with an unsaturated compound containing a specific metal salt of a carboxylic acid, containing the blended component with good compatibility and capable of exhibiting improved impact resistance.

CONSTITUTION: A composition obtained by blending 100pts.wt. composition consisting of (A) 5~95wt% polyphenylene ether based resin and (B) 95~5wt% polyamide based resin with (C) 0.01~10pts.wt. unsaturated compound having a metal salt of a carboxylic acid in the molecule. Furthermore, a composition prepared by adding 1~90wt% elastomer and/or rubber-modified styrene based resin to the components (A) and (B) may be used. A compound containing zinc acrylate, copper oleate, sodium fumarate, etc., in the molecule is preferred for the component (C).

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